

# Xin Ge Zhang

## List of Publications by Year in descending order

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Version: 2024-02-01

22  
papers

817  
citations

759233

12  
h-index

794594

19  
g-index

23  
all docs

23  
docs citations

23  
times ranked

628  
citing authors

#	ARTICLE	IF	CITATIONS
1	An optically driven digital metasurface for programming electromagnetic functions. Nature Electronics, 2020, 3, 165-171.	26.0	203
2	Light-Controllable Digital Coding Metasurfaces. Advanced Science, 2018, 5, 1801028.	11.2	136
3	Polarization-Controlled Dual-Programmable Metasurfaces. Advanced Science, 2020, 7, 1903382.	11.2	112
4	Pattern-Reconfigurable Planar Array Antenna Characterized by Digital Coding Method. IEEE Transactions on Antennas and Propagation, 2020, 68, 1170-1175.	5.1	60
5	Smart Doppler Cloak Operating in Broad Band and Full Polarizations. Advanced Materials, 2021, 33, e2007966.	21.0	52
6	A metasurface-based light-to-microwave transmitter for hybrid wireless communications. Light: Science and Applications, 2022, 11, 126.	16.6	47
7	Frequency-dependent transmission-type digital coding metasurface controlled by light intensity. Applied Physics Letters, 2018, 113, .	3.3	36
8	Intensity-Dependent Metasurface with Digitally Reconfigurable Distribution of Nonlinearity. Advanced Optical Materials, 2019, 7, 1900792.	7.3	33
9	Millimeter-Wave Digital Coding Metasurfaces Based on Nematic Liquid Crystals. Advanced Theory and Simulations, 2019, 2, 1900141.	2.8	31
10	Computationally Efficient CN-PML for EM Simulations. IEEE Transactions on Microwave Theory and Techniques, 2019, 67, 4646-4655.	4.6	22
11	Controlling Radiation Beams by Low-Profile Planar Antenna Arrays with Coding Elements. ACS Omega, 2018, 3, 10601-10611.	3.5	20
12	Programmable Controlling of Multiple Spatial Harmonics via a Nonlinearly Phased Grating Metasurface. Advanced Functional Materials, 2022, 32, .	14.9	16
13	Light-controllable time-domain digital coding metasurfaces. Advanced Photonics, 2022, 4, .	11.8	13
14	Self-adaptive metasurface platform based on computer vision. Optics Letters, 2021, 46, 3520.	3.3	10
15	Dual-band reconfigurable metasurface-assisted Fabry-Pérot antenna with high-gain radiation and low scattering. IET Microwaves, Antennas and Propagation, 2020, 14, 1933-1942.	1.4	10
16	Programmable Metasurfaces: Polarization-Controlled Dual-Programmable Metasurfaces (Adv. Sci.)	11.2	7
17	Digital Metasurfaces: Light-Controllable Digital Coding Metasurfaces (Adv. Sci. 11/2018). Advanced Science, 2018, 5, 1870068.	11.2	4
18	An Ultrawideband and Dual-Beam Scanning Array Antenna Charactered by Coding Method. IEEE Antennas and Wireless Propagation Letters, 2020, 19, 2211-2215.	4.0	4

#	ARTICLE	IF	CITATIONS
19	Low-profile coding microstrip antenna arrays. , 2018, , .		0
20	Digital Coding: Millimeter-Wave Digital Coding Metasurfaces Based on Nematic Liquid Crystals (Adv.) Tj ETQq0 0.0 rgBT /Oyerlock 10 2.8		0
21	Dual-band Reconfigurable Fabry-Pérot Cavity Antenna Based on Metasurface. , 2021, , .		0
22	Decoupling Control of Orthogonally-Polarized Waves Via Dual-Programmable Metasurfaces. , 2021, , .		0